



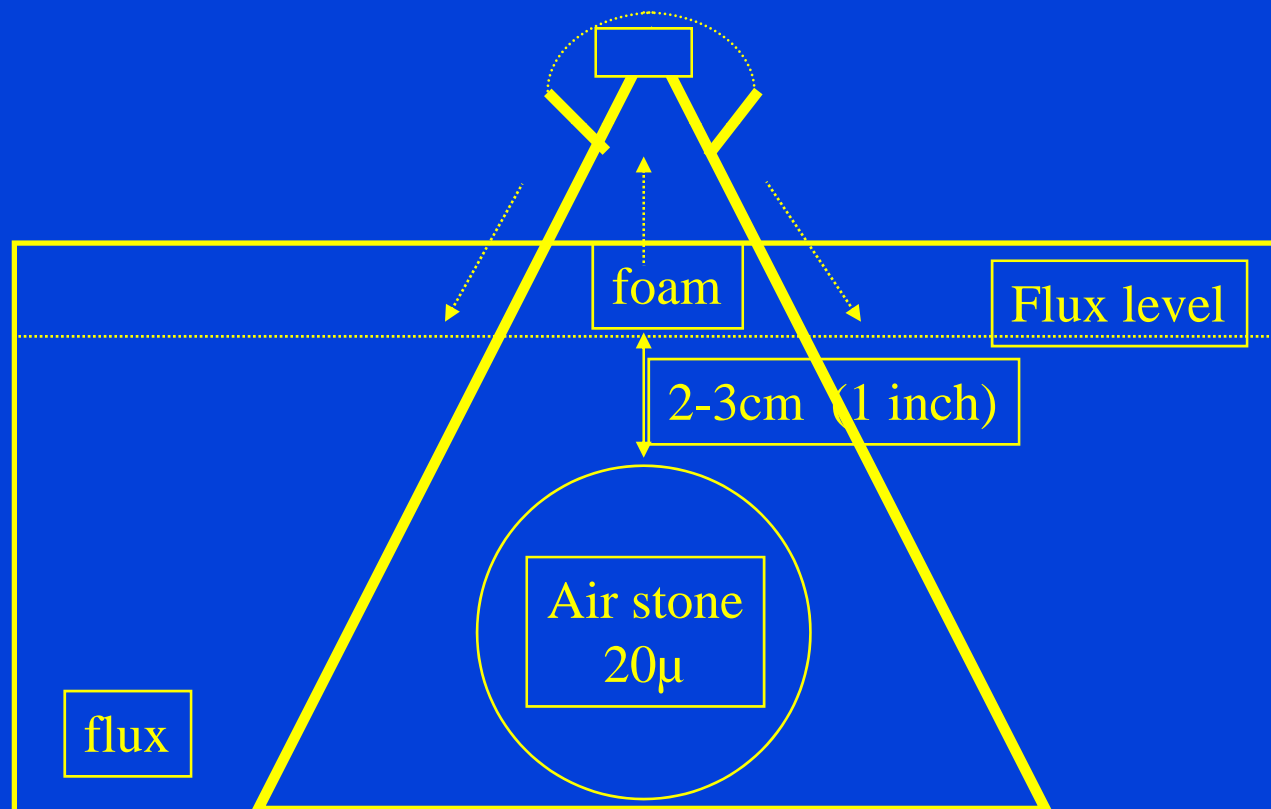
**HOW TO
IMPLEMENT
VOC FREE FLUX
INTO YOUR
FOAMING
PROCESS?**

VOC FREE FLUX PACIFIC 2010 F for FOAM Applications

- Be sure that your flux tank and your foam stone are not polluted by your present flux. If necessary replace the foam stone and the tubes.
- Fill your flux tank to its maximum level.
- Adjust your air supply till you get a fine bubble layer of foam on the topside of the foam nozzle, preventing too slow an overflow.

THE FOAM FLUXER

4-10 mm (1/4 inch)



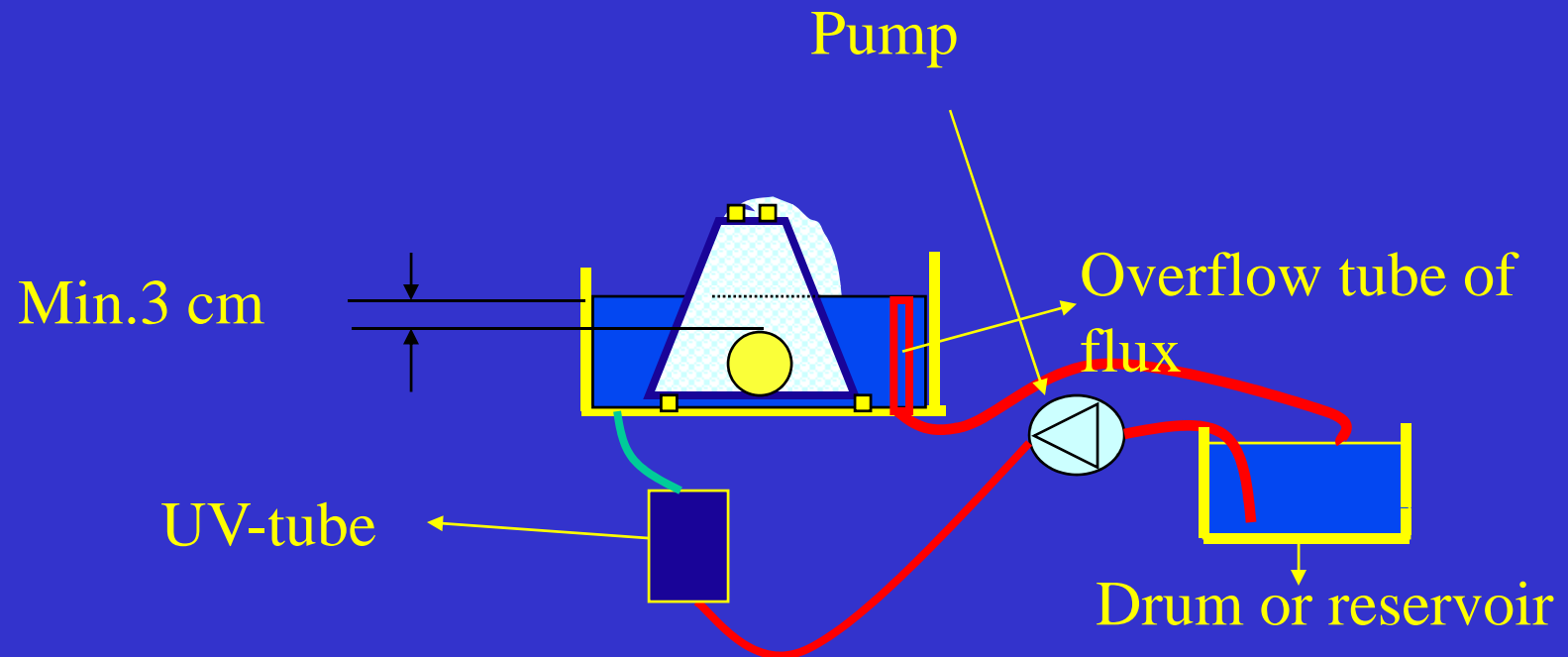
THE FOAM FLUXER

- Minimal contact with PCB (< 2 cm) ; kiss fluxing !
- Opening fluxer nozzle : 4 - 10 mm
- Air stone : 20 μ pores
- Flux level : 2-3cm above the air stone
(must stay constant for stable foam!)
- Never start up foam fluxer without air knife!

FOAM FLUXING

- Advantages :
 - Cheap, easy
 - Equal spreading
 - Good capillary working
- Disadvantages :
 - Sensitive to warm carriers
 - Evaporation, open to external contamination (air, PCB,...), accelerated formation of fungus

HOW TO PREVENT FUNGUS FORMATION IN YOUR FOAMFLUXER WITHOUT USING POISON IN THE FLUX !



VOC FREE FLUX PACIFIC 2010 F for FOAM Applications

- To check if the speed of overflow is sufficient, you blow into the foam, the foam will break down due to the heat of your breath, and what is important is that the foam building recuperates very quickly. This simulates a hot carrier that enters into your foam. When the foam does not recuperate immediately the first part of your PCB will not be fluxed, creating all sorts of defects.
- In case the flux has been stored at temperature lower than room temperature: be aware that the foam formation can change during the heating up period till the flux reaches the room temperature.

VOC FREE FLUX PACIFIC 2010 F for FOAM Applications

- Always use an air knife in No Clean applications! (available at Interflux)
- Reasons:
 - to take away the excess of flux, resulting in less need of heat and results in reduction of the consumption;
 - to secure there is enough flux into the holes.
 - To reduce the fire risk